

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-17 (canceled).

Claim 18 (previously presented): A force sensor device, comprising:

a support of two arms carrying a longitudinal electromechanical element in form of a nanostructure, said nanostructure having an electrical property changeable in response to a mechanical deformation due to a force, said nanostructure defined as a first nanostructure;

a moveable element disposed to transmit a force to said nanostructure;
and

a second nanostructure carried by said arms for compensating for environmental effects.

Claim 19 (previously presented): The force sensor device according to claim 18, wherein each of said two arms is formed with a cusp carrying said first nanostructure and with a cusp carrying said second nanostructure.

Claim 20 (previously presented): The force sensor device according to claim 18, which further comprises an insulation formed on at least one of said arms for electrically separating said nanostructures.

Claim 21 (previously presented): The force sensor device according to claim 18, wherein said second nanostructure is a nanotube, a carbon nanotube, or a quasi one-dimensional nanostructure.

Claim 22 (previously presented): The force sensor device according to claim 18, wherein said first nanostructure is a structure selected from the group consisting of a nanotube, a carbon nanotube, a boron-nitride nanotube, and a quasi one-dimensional nanostructure.

Claim 23 (previously presented): The force sensor device according to claim 18, wherein the electrical property is a conductivity of said nanostructure.

Claim 24 (previously presented): The force sensor device according to claim 18, wherein said support is a U-shaped support.